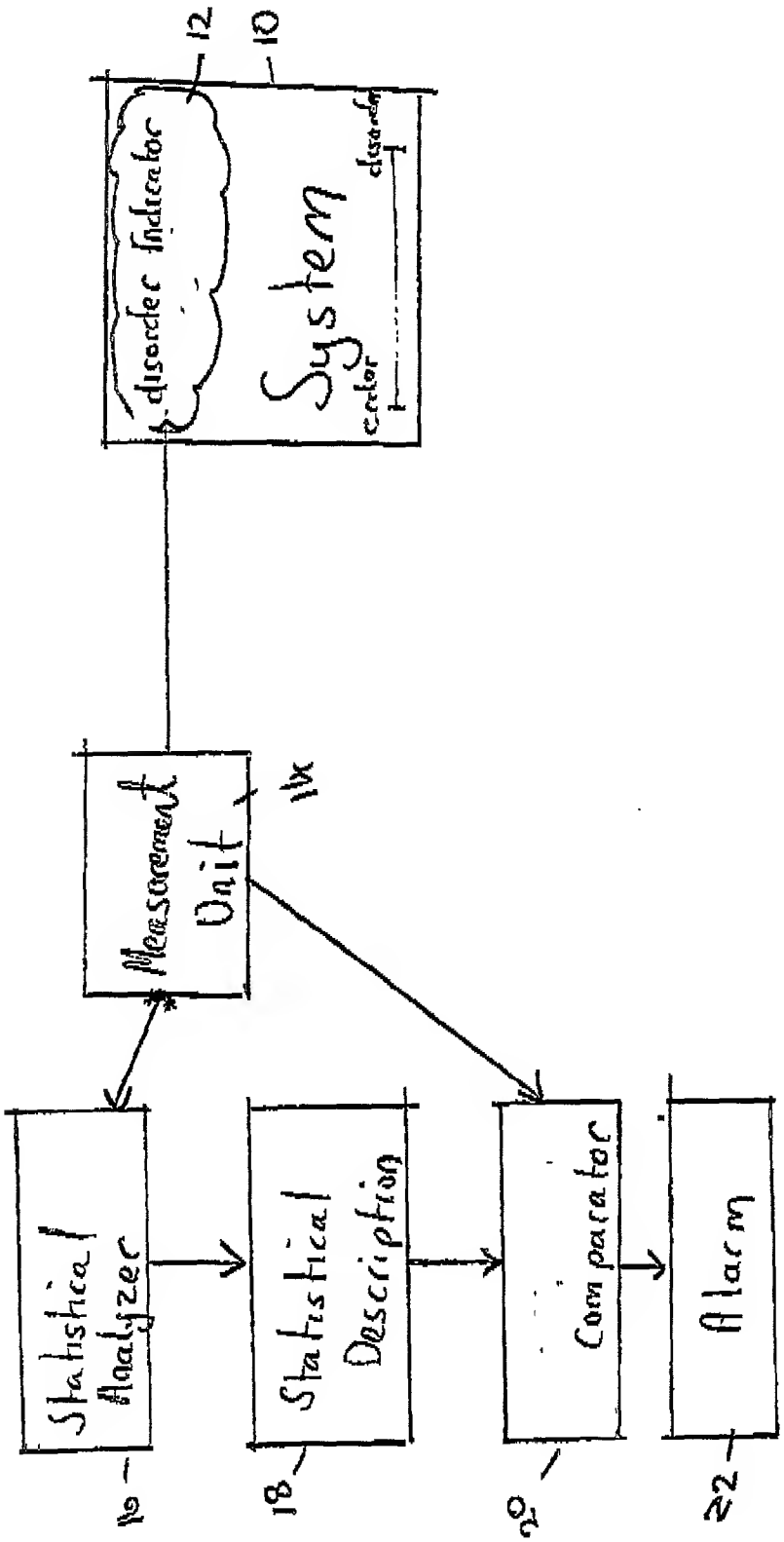

12
10
disorder indicator
System
disorder
color
Measurement Unit
Wx
Statistical Analyzer
Statistical Description
Comparator
Alarm
16
18
20
22

Fig 1

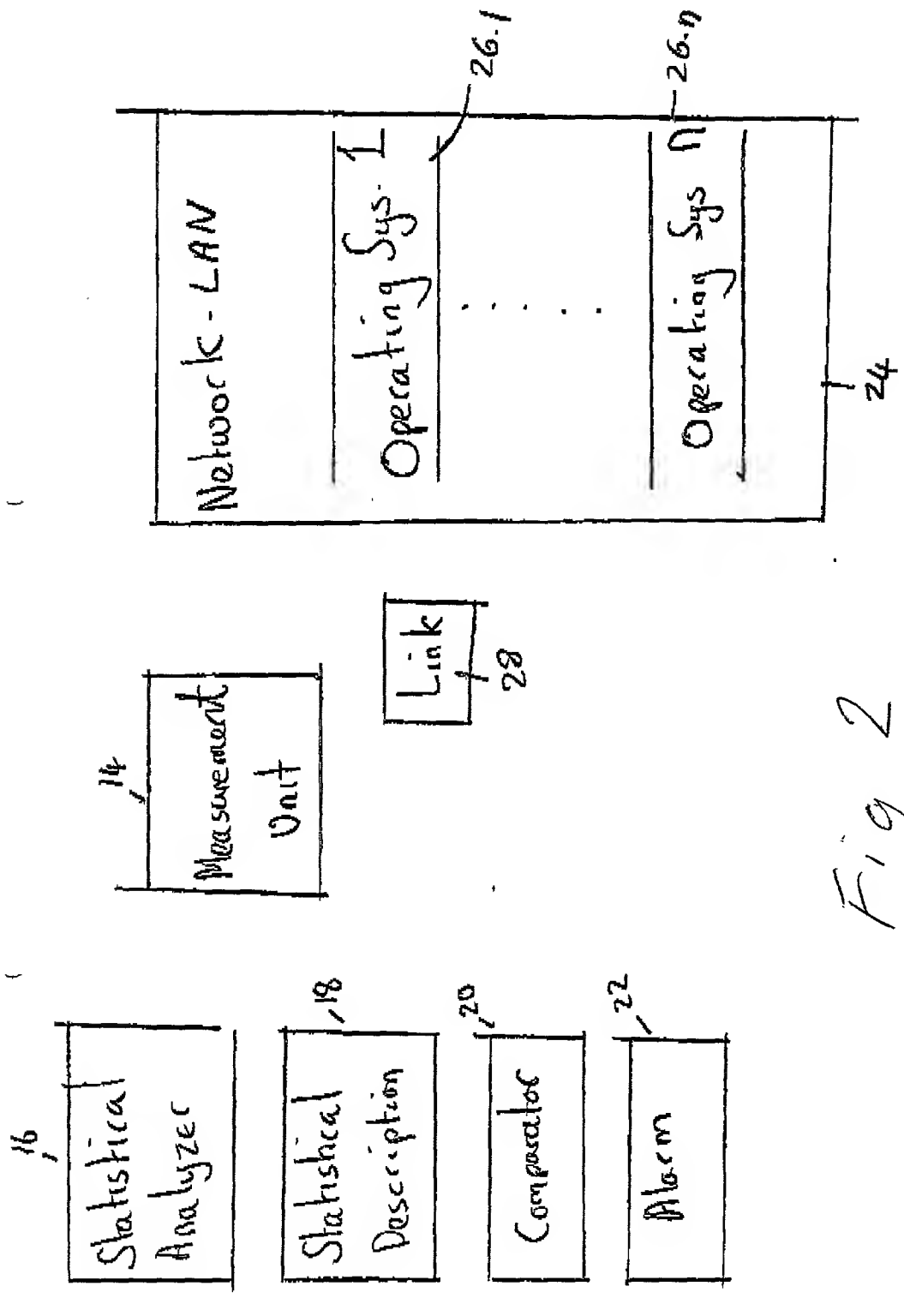

Network - LAN
Operating Sys. 1
26.1
Operating Sys n
26.n
24
Measurement Unit
14
Link
28
Statistical Analyzer
16
Statistical Description
18
Comparator
20
Alarm
22

Fig 2

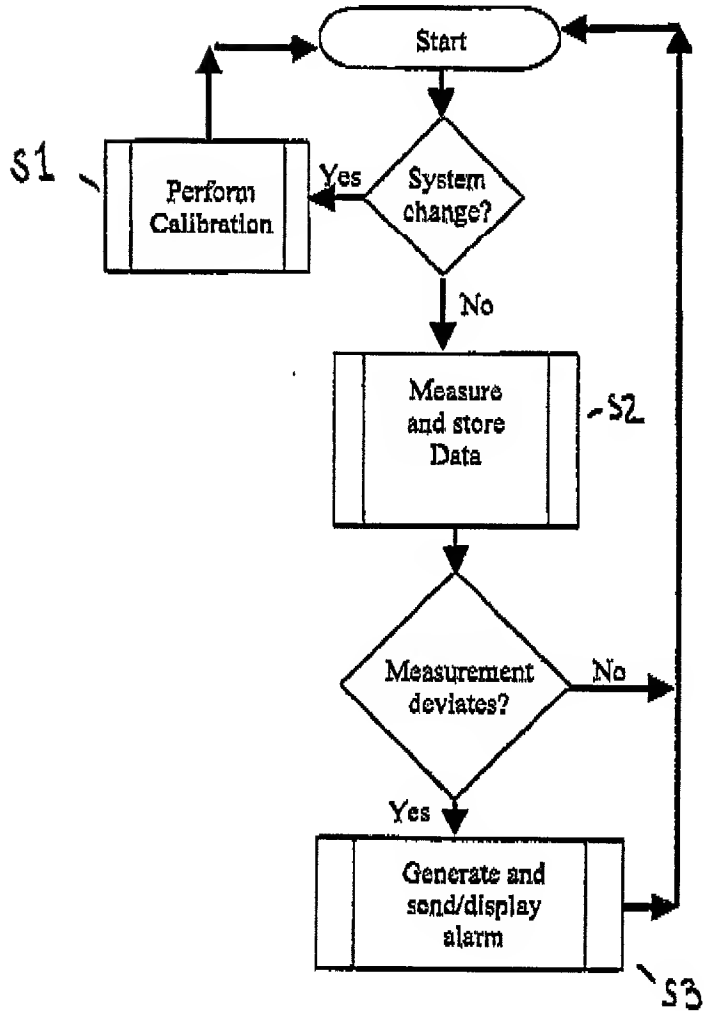

Start
S1
Perform Calibration
Yes
System change?
No
Measure and store Data
S2
Measurement deviates?
No
Yes
Generate and send/display alarm
S3

Fig. 3

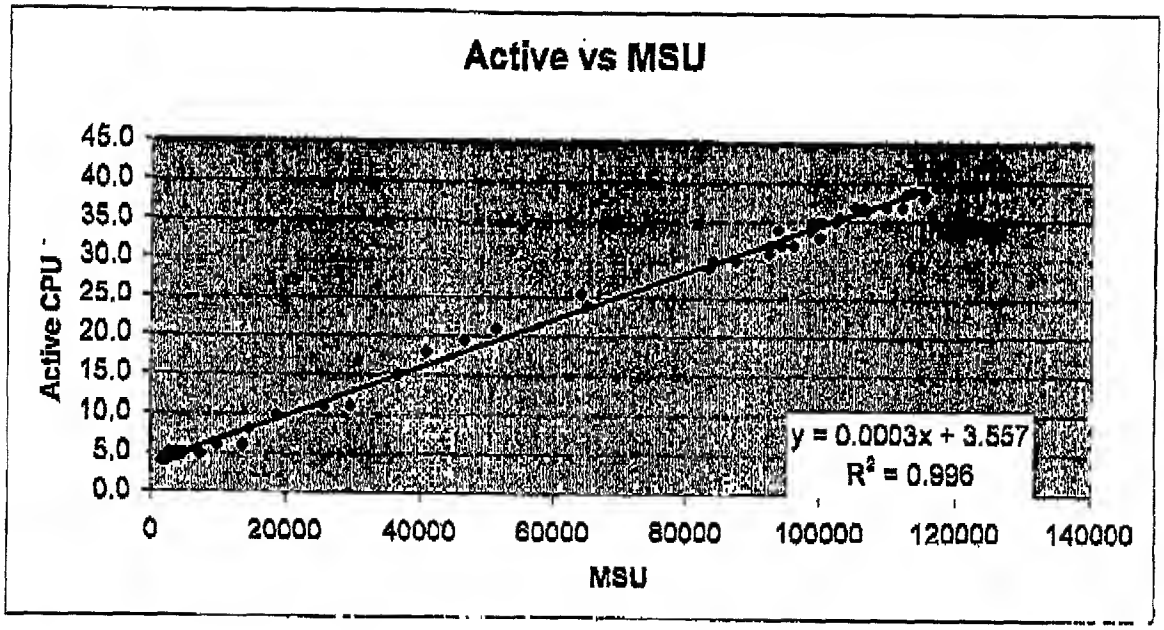

Active vs MSU
Active CPU
45.0
40.0
35.0
30.0
25.0
20.0
15.0
10.0
5.0
0.0
0
20000
40000
60000
80000
100000
120000
140000
MSU
y = 0.0003x + 3.557
R² = 0.996

Fig 4

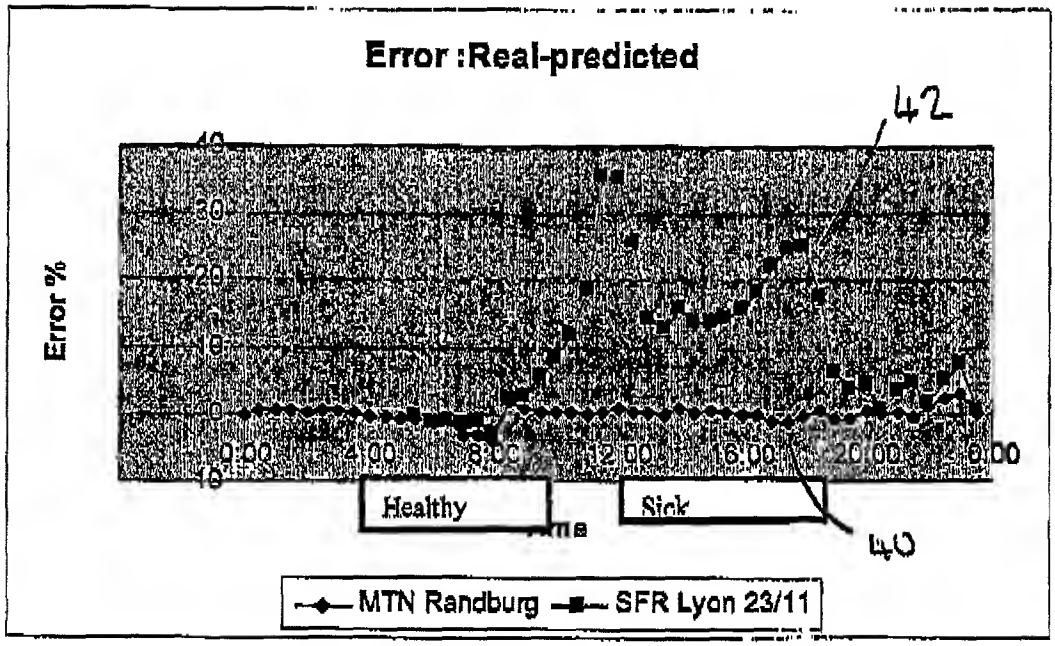

Error :Real-predicted
42
Error %
40
30
20
10
0
-10
0:00
4:00
8:00
12:00
16:00
20:00
0:00
Healthy
Sick
40
MTN Randburg
SFR Lyon 23/11

Fig. 5

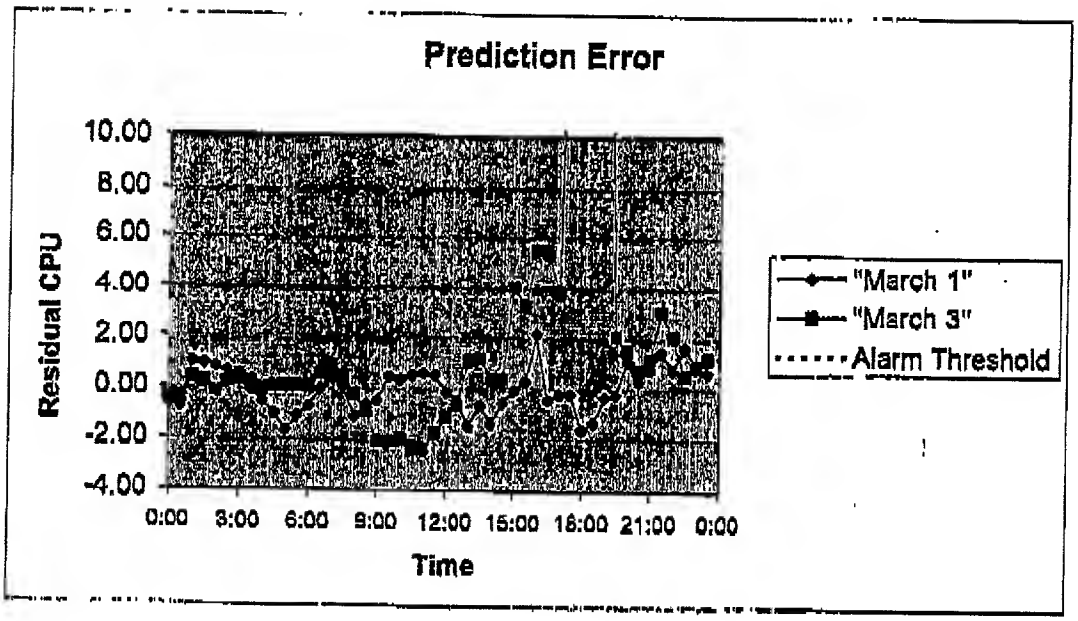
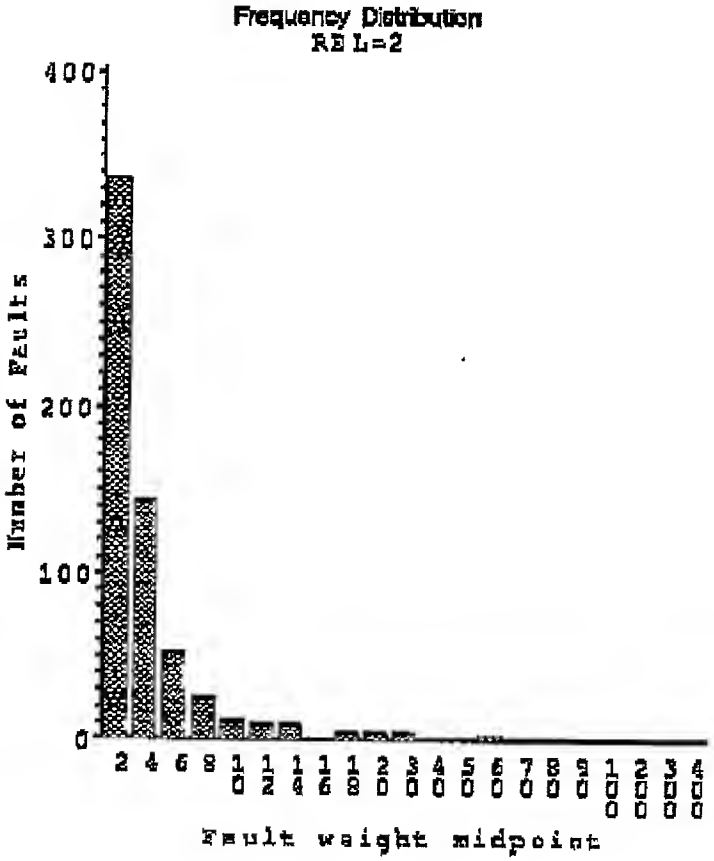

Prediction Error
Residual CPU
10.00
8.00
6.00
4.00
2.00
0.00
-2.00
-4.00
0:00
3:00
6:00
9:00
12:00
15:00
18:00
21:00
0:00
Time
"March 1"
"March 3"
Alarm Threshold

Fig. 6



(www.chillarege.com/authwork/failrate/node6.html)

Fig. 7

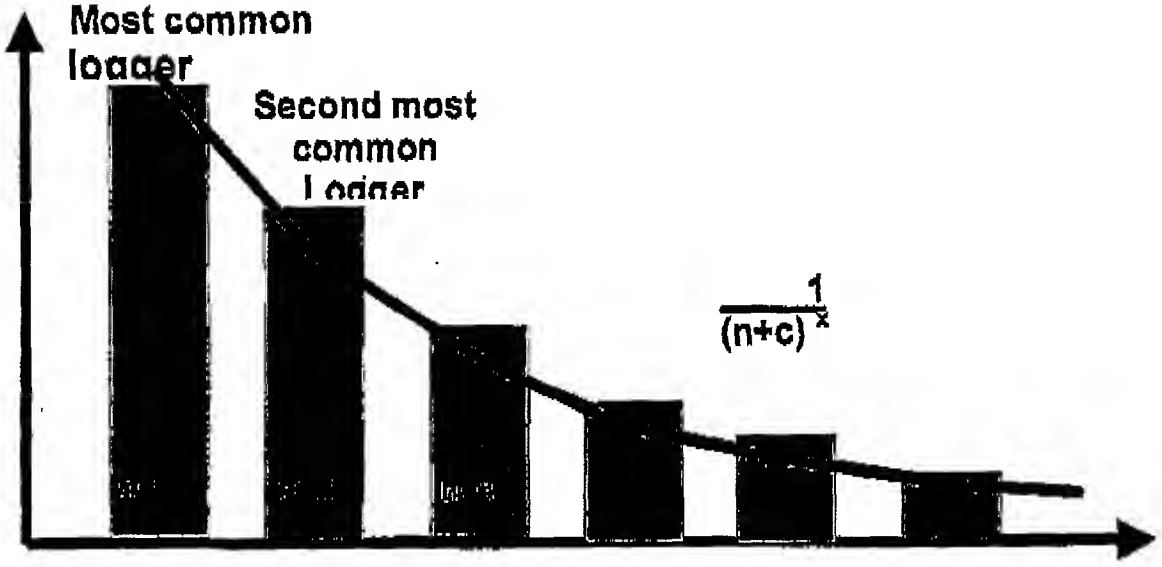


Fig. 8

FAILURE-SERVICES

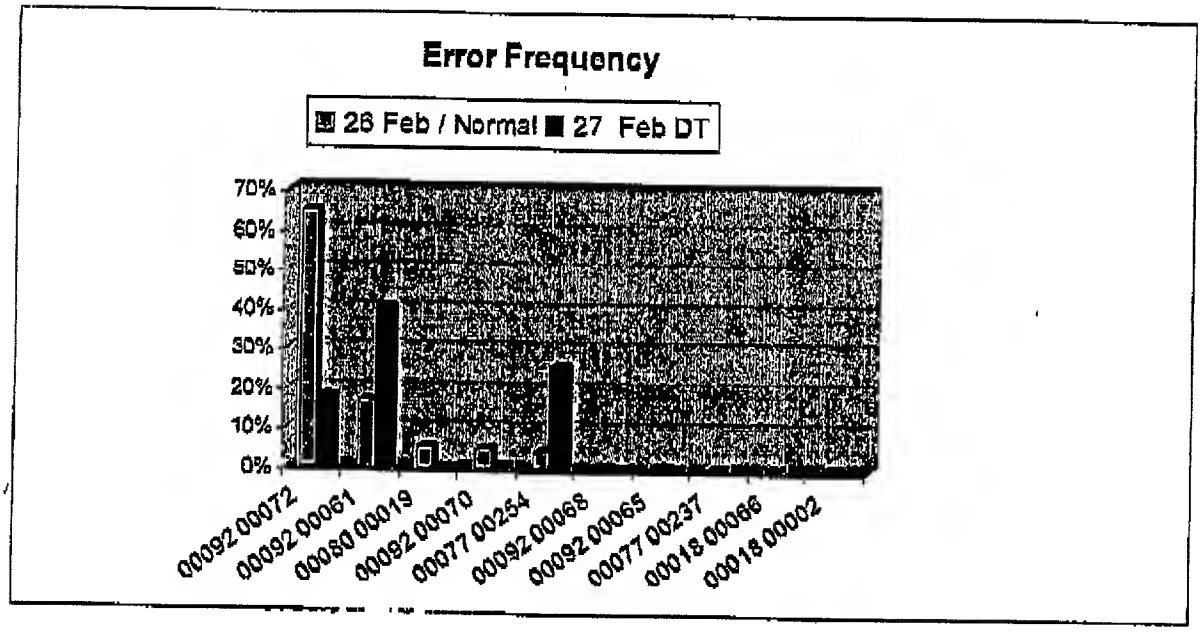

Error Frequency
28 Feb / Normal
27 Feb DT
70%
60%
50%
40%
30%
20%
10%
0%
00092 00072
00092 00061
00080 00019
00082 00070
00077 00254
00092 00068
00092 00065
00077 00237
00018 00066
00018 00002

Fig. 9